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- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEC14 AS AN ANTIFUNGAL TARGET

(57) Abstract: The invention provides SEC14 cytosolic factor (SEC14) as a novel antifungal target, screening methods for SEC14 inhibitors and their use as antifungal compounds, pharmaceutical compositions containing them and their use in medicine, specifically in the treatment of an individual susceptible to or suffering from an anti-fungal infection. In particular the compounds find use in the treatment of topical or mucosal (e.g. thrush and vaginal candidiasis) fungal infections, e.g. caused by fungus of the Candida species, and systemic infections, e.g. caused by fungi of Candida and Aspergillus species, such as but not limited to C. albicans, Aspergillus flavus or Aspergillus fumigatus.



International Application No
PCT/GR 03/05364

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A. CLASS	FICATION OF SUBJECT MATTER		CI/GB 0	3/03304
IPC 7	G01N33/50 C12Q1/18			
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According t	o International Patent Classification (IPC) or to both national classif	ication and IPC		
	SEARCHED			
Minimum de IPC 7	ocumentation searched (classification system followed by classification sy	tion symbols)	•	
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Documenta	tion searched other than minimum documentation to the extent that	such documents are included	in the fields so	earched
	ata base consulted during the international search (name of data b		rch terms used)
BIOSIS	, MEDLINE, EPO-Internal, EMBASE, W	PI Data, PAJ		
	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the re	elevant passages		Relevant to claim No.
v	110 00 100 704 A (ANABAS DIABAS DIABAS			
Υ	WO 02/02784 A (ANADYS PHARMACEUT 10 January 2002 (2002-01-10)	TICALS INC)		1-8
	abstract			
	page 2, line 10 -page 7, line 16			
	page 34, line 1 -page 37, line 6 claims 11-34			
X	MONTEOLIVA LUCIA ET AL: "Clonin	g of		11
	Candida albicans SEC14 gene homo coding for a putative essential	logue function		
	YEAST,	TUILCTION		
	vol. 12, no. 11, 1996, pages 109	7-1105,		,
i	XP008029644 ISSN: 0749-503X		l	
Υ	abstract			1-8
				- 0
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}				
X Furthe	er documents are listed in the continuation of box C.	X Patent family memb	ers are listed in	annex.
° Special cate	agories of cited documents :			
"A" documen	at defining the general state of the art which is not	"T" later document published or priority date and not i	D CONTIIM WITH T	na annication but
conside	red to be of particular relevance cument but published on or after the international	invention	principle or the	ory underlying the
filing da	te t which may throw doubts on priority claim(s) or	"X" document of particular re cannot be considered no	ovel or cannot b	se considered to
Wrich is	cited to establish the publication date of another or other special reason (as specified)	involve an inventive ster	levence: the cla	imed investion
"O" document other me	it referring to an oral disclosure, use, exhibition or earns	document is combined to	Involve an inve	entive step when the
"P" documen later tha	t published prior to the international filing date but n the priority date claimed	ments, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
	tual completion of the international search	Date of mailing of the International search report		
7	May 2004	0 2	JUN 2004	
Name and ma	tiling address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk			٠	
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Vanhalst, K		
		I		i

Form PCT/ISA/210 (second sheet) (January 2004)

International Application No
PCT/GB 03/05364

		PCT/GB 03/05364					
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
A	DE BACKER MARIANNE D ET AL: "RNA-mediated gehe silencing in non-pathogenic and pathogenic fungi." CURRENT OPINION IN MICROBIOLOGY. ENGLAND JUN 2002, vol. 5, no. 3, June 2002 (2002-06), pages 323-329, XP002276430 ISSN: 1369-5274 abstract	1-8					
A	DE BACKER MARIANNE D ET AL: "Genomic profiling of the response of Candida albicans to itraconazole treatment using a DNA microarray" ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol. 45, no. 6, June 2001 (2001-06), pages 1660-1670, XP002215551 ISSN: 0066-4804 abstract	1-8					
A	DE BACKER MARIANNE D ET AL: "An antisense-based functional genomics approach for identification of genes critical for growth of Candida albicans" NATURE BIOTECHNOLOGY, vol. 19, no. 3, March 2001 (2001-03), pages 235-241, XP002276432 ISSN: 1087-0156 abstract	1-8					
A	DE BACKER MARIANNE D ET AL: "Recent developments in molecular genetics of Candida albicans" ANNUAL REVIEW OF MICROBIOLOGY, 2000, pages 463-498, XP002276431 Annual Reviews {a}, 4139 El Camino Way, Palo Alto, CA, 94303-0139, USA Series: Annual Review of Microbiology (ISSN 0066-4227) ISBN: 0-8243-1154-1 (cloth) abstract	1-8					
A	WO 01/60975 A (BOONE CHARLES; BUSSEY HOWARD (CA); JIANG BO (CA); ROEMER TERRY (CA) 23 August 2001 (2001-08-23) abstract	1-8					

International application No. PCT/GB 03/05364

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 9,10,12-16 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of Invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 9,10,12-16

Present claims 9,10, 12-16 relate to a compound defined by reference to a desirable characteristic or property, namely "identifiable by the method of claims 1-3 or 8".

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for no such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the methods of claims 1-3 and 8.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

International Application No PCT/GB 03/05364

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